

**CHEMICAL ENGINEERING
LOUISIANA TECH UNIVERSITY**

Name _____

Date _____

Student ID _____

Email _____

FRESHMAN YEAR (33 sch)										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
ENGR 120*	Engr Problem Solving I	2	ENGR 121*	Engr Problem Solving II	2	ENGR 122*	Engr Problem Solving III	2		
MATH 240*	Math for Engr & Science I	3	MATH 241*	Math for Engr & Science II	3	MATH 242*	Math for Engr & Science III	3		
CHEM 100*	General Chemistry	2	CHEM 101*	General Chemistry	2	CHEM 102*	General Chemistry	2		
UNIV 100	University Seminar	1	CHEM 103*	General Chemistry Lab	1	CHEM 104*	General Chemistry Lab	1		
ENGL 101	Freshman Composition I	3	ENGL 102	Freshman Composition II	3	BISC 130	Biological Principles	3		
		11			11			11		

SOPHOMORE YEAR (32 sch)										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
MATH 243*	Math for Engr & Science IV	3	ENGR 222	Thermodynamics	3	ENGR 220	Statics & Mechs of Materials	3		
CMEN 202†††	Chemical Engr Calc	3	MATH 244*	Math for Engr & Science V	3	MATH 245	Math for Engr & Science VI	3		
CHEM 250	Organic Chemistry	2	CMEN 255	Lab Measurements/Reports	1	CMEN 213*	Unit Operations-Design I	3		
PHYS 201*	Physics For Engr & Science I	3	CHEM 251	Organic Chemistry	2	CHEM 252	Organic Chemistry	2		
		11	CHEM 253	Organic Chemistry Lab	1			11		

JUNIOR YEAR (35 sch)										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
CMEN 313*	Unit Operations-Design II	3	ENGR 221	Electrical Engr & Circuits I	3	CMEN 304	Transport Phenomena	3		
CHEM 311	Physical Chemistry	3	CMEN 413*	Unit Operations-Design III	3	ENGL 303	Technical Writing	3		
CHEM 313	Physical Chemistry Lab	1	CMEN 332*	Chem Engr Thermodyn II	3	Social Science†		3		
BISC 260 or	Microbiology	4	ENGL 201 or	Literature	3	Directed Elective**		3		
CHEM 351/352	Biochemistry	11	ENGL 202		12			12		

SENIOR YEAR (35 sch)										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
CMEN 402	Chemical Reaction Engr	3	CMEN 407	Instrum/Auto Process Ctrl	3	CMEN 434	Chemical Plant Design III	2		
CMEN 430	Chemical Plant Design I	2	CMEN 432	Chemical Plant Design II	2	CMEN 353	CMEN Lab	1		
CMEN 451	Senior Chem Engr Lab	1	HIST ____ †		3	Social Science†		3		
ART‡	Fine Arts Appreciation	3	Technical Elective**		3	Technical Elective**		3		
Social Science†		3			11	ENGL 463 or	Scientific/Tech Presentation	3		
		12				SPCH 377		12		

Courses in boldface taught only once a year.

* Grade of C or higher required

** Technical or directed electives must be approved by the Program Chair.

† HIST 102, GEOG 205, or GEOG 210 counts as the International Education Requirement.

‡ ART 290, SPTH 290, MUGN 290, or HPE 280 counts as the Fine Arts Requirement.

††† CMEN 202 requires ENGR 122 as a minimum co-requisite. All other CMEN courses require CMEN 202 as a prerequisite (see Tech Bulletin for more details regarding course prerequisites).